Certificate of Analysis for NR-223

***Toxoplasma gondii*, RH-88**

Catalog No. NR-223
(Derived from ATCC® 50838™)

Product Description: *Toxoplasma gondii* is a protozoan parasite member of the phylum *Apicomplexa* and an obligate intracellular pathogen that is the causal agent of toxoplasmosis.

Lot[1]: 3919526 **Manufacturing Date: 30MAR2005**

TEST	SPECIFICATIONS	RESULTS
Viable Cell Count by Hemacytometry (pre-freeze)	> 10^6 cells/mL	5.2 x 10^7 cells/mL
Viability (post-freeze)[2]	Growth	Growth
Sterility (21-day incubation)		
Harpo's HTYE broth[3], 37°C and 26°C, aerobic	No growth	No growth
Trypticase soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud broth, 37°C and 26°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth
DMEM with 10% FBS, 37°C and 5% CO_2	No growth	No growth

[1]NR-223 was produced by cultivation of ATCC® 50838™ (Lot: 4304681) in human foreskin fibroblast cells (ATCC® CRL-1634™) with cell cultivation medium for parasites (ATCC medium 2222: modified to contain 3% heat-inactivated fetal bovine serum). The culture was propagated in 95% air, 5% CO_2 for 5 days at 37°C, until peak density was reached.
[2]Incubated under cultivation conditions for 1 to 2 weeks at 37°C.
[3]Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 09 OCT 2009 **Signature:** Signature on File

Title: Technical Manager, BEI Authentication or designee

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